



PATENT

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE
PATENT EXAMINING OPERATION

Applicant(s): Christian EVERS et al.

Serial No: 10/603,052

Group Art Unit:

Filed: June 24, 2003

Examiner:

Att. Docket No.: M1211/20010

Confirmation No.:

For: MICROWAVE SWITCHING WITH ILLUMINATED FIELD EFFECT TRANSISTORS

INFORMATION DISCLOSURE STATEMENT

Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Sir:

Pursuant to 37 CFR §1.56, the attention of the Patent and Trademark Office is hereby directed to the reference(s) listed on the attached PTO-1449. Unless otherwise indicated herein, one copy of each reference is attached. It is respectfully requested that the information be expressly considered during the prosecution of this application, and that the reference(s) be made of record therein and appear among the "References Cited" on any patent to issue therefrom. No representation is made that the reference(s) is/are prior art with respect to this application.

This Information Disclosure Statement is being filed within three months of the filing date of a national application other than a CPA under 37 CFR § 1.53(d), within three months of the date of entry of the national stage as set forth in 37 CFR § 1.491 in an international application, before the mailing of a first Office Action on the merits, or before the mailing of a first Office Action after the filing of an RCE under 37 CFR § 1.114. No certification or fee is required. 37 CFR § 1.97(b).

The reference(s) was/were cited in a counterpart foreign application. An English language version of the foreign search report is attached for the Examiner's information.

Respectfully submitted,

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September 30, 2003

Please charge or credit our Account
No. 03-0075 as necessary to effect
entry and/or ensure consideration of
this submission.

German Patent and Trademark Office

Munich July 3, 2003
Telephone: (0 89) 2195 3206
Applicant/Owner:
Rhode & Schwarz, GmbH & Co.
Rhode & Schwarz Ref.:
P26706/DE/ Kf/szi
Rhode & Schwarz Petition June 27, 2002
Research as per §43 Patent Law

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File No. 102 28 810.0

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Research Report

A. Classification of the object of the application in accord with international patent classification IPC:

IPC 07
H 03 H 11-24

B. Scope of Research:

Class/Group
H 03 H 11-24

Examiner
Rudolph Birle

Patent Dept.
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The research in the German Patent and Trademark Office is based on the patent literature of the following nations and organizations:
Germany (DE, DD), Austria, Switzerland, France, Great Britain, USA, Japan (Abstracts)
previous USSR (Abstracts), European Patent Office, WIPO

Class/Groups, which are presented in Section A, but, however, are not expressly mentioned in Section B, are either included by means of an IPC-overlapping data bank research or serve mainly for only documentation and information. In classes/groups, which are included in Section B, however are not name in Section A, these are researched with the results given in Section C.

C. Result of the printed documentation transmitted:

Cat.	Transmitted Documentation	Explanation	Re Claims	IPC Source References
Y	DE 692 18 040 T2	Col 7 line 13 14, Col. 2 line 20, Col 3 line 3 4, Claim 2, Ref. 8	1-17	
X	SIMONS, Rainee N., BHASIN, Kul B.: Analysis of Optically Controlled Microwave/Millimeter-Wave Device Structures. In: IEEE Transactions On Microwave Theory And Techniques, Vol. MTT-34, No.12, Dec.1986, S.1349-1355;		1-17	
X	DE SALLES, Alvaro Augusto A.: Optical Control of GaAs MESFET's. In: IEEE Transactions On Microwave Theory And Techniques, Vol.,MTT-31, No.10, Oct.1983,S.812-820;		1-17	

D. The following literature and citations are not in the possession of the German Patent and Trademark Office;

The research cannot extend itself beyond the self-stated state of the technology as expressed by the applicant if this said expression of the state of the technology is not in the hands of the German Patent and Trademark Office. If the intention is, to pursue a investigation request in accord with §44 of the patent law, then the applicant is required, to include such information in copy form in the examination documentation.

E. Date of the Conclusion of the Research: March 19, 2003

Completeness of the investigation:

A guarantee for the completeness of the investigation of the substantial literature and the correctness of the given categories is not furnished (§ 43 Section 7, Paragraph 1, Patent Law, i.e. Section 7, Paragraph 2 Utility Patent Law, i.V. (§ 43 Section 7, Paragraph 1, Patent Law).

Dispatch date of the Research Report:

Enc. 3

Patent Department 1.11
Research Office
(Seal)

Explanations of Section C.: Results of the Investigation of Documentation

Column: Category

- X: Documentation, which alone indicate questionability of the novelty or the presence of inventive activity (§ 43 Pat. Law) or an inventive step (§ 7 Util. Pat. Law).
- Y: Documentation which brings into question an inventive activity (§ 43 Pat. Law) or an inventive step (§ 7 Util. Pat. Law) when seen together with other documentation.
- A: General to the state of the technology or technological background.
- O: Non-written declaration. For instance, in a later published verbal address in copy form, which was given before the day of application or day of priority.
- P: Documentation published within the priority interval.
- T: Later published, non-conflicting documentation, which concerns the theory of the applied for invention and could be of use for a better understanding of the said applied for invention or shows that the basic concepts or facts of the applied for invention could be in error.
- E: Older applications in accord with § 3, Sec. 2 Pat. Law (in researches § 43 Pat. Law) or earlier Patent or Utility Patents in accord with § 15 Util. Pat. Law (in researches, (§ 7 Util. Pat. Law).
- D: Documentation, which is already mentioned in the patent application (§ 43 Pat. Law) or documentation which is already in the application or the Utility Patent (in researches § 7 Util. Pat. Law).
- L: Documentation, which is named on the basis of certain grounds, for instance an objection on the date of publication or in regard to doubts as to the priority.

Column: Explanations:

The stated explanations in the research procedure and relevant places are given separately in this column from the cited documentation. The applied abbreviations and symbols used in the discussion of a document mean:

Pub.: Date of publication of a document during priority period

=: Documentation, which refer back to the same original application (Patent Family) or have to do with the references to the application or the abstract.

In the case of Classes/Group statements, without the naming of documentation, the symbol "-" means "Not investigated".

Column: Relevant Claims

In this column are found, by number, the claims, which are given with reference to the annotations in the column "Explanations".

